

FORM 1 GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program (Read the "General Instructions" before starting.)		I. EPA I.D. NUMBER VA0054291		T/A C		D					
LABEL ITEMS				PLEASE PLACE LABEL IN THIS SPACE				GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.					
II. POLLUTANT CHARACTERISTICS													
INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms .													
SPECIFIC QUESTIONS				Mark "X"			SPECIFIC QUESTIONS				Mark "X"		
				YES	NO	FORM ATTACHED					YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S. ? (FORM 2A)					X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S. ? (FORM 2B)					X	
				16	17	18					19	20	21
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)				X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S. ? (FORM 2D)					X	
				22	23	24					25	26	27
E. Does or will this facility treat, store, or dispose of hazardous wastes ? (FORM 3)					X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)					X	
				28	29	30					31	32	33
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)					X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)					X	
				34	35	36					37	38	39
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)					X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)					X	
				40	41	42					43	44	45
III. NAME OF FACILITY													
C SKIP				IMTT-Virginia									
1													
15 16 - 29 30				69									
IV. FACILITY CONTACT													
A. NAME & TITLE (last, first, & title)				B. PHONE (area code & no.)									
C				D									
2 Spence, Michael Terminal Manager				(804) 226-2650									
15 16				45 46 48 49 51 52 55									
V. FACILITY MAILING ADDRESS													
A. STREET OR P.O. BOX													
C													
3 5500 Old Osborne Turnpike													
15 16				45									
B. CITY OR TOWN				C. STATE		D. ZIP CODE							
C				D		E							
4 Richmond				VA		23231							
15 16				40 41 42		47 51							
VI. FACILITY LOCATION													
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER													
C													
5 5500 Old Osborne Turnpike													
15 16				45									
B. COUNTY NAME													
C													
46 Henrico				70									
C. CITY OR TOWN				D. STATE		E. ZIP CODE		F. COUNTY CODE (if known)					
C				D		E		F					
6 Richmond				VA		23231							
15 16				40 41 42		47 51		52 54					

VII. SIC CODES (4-digit, in order of priority)	
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VIII. OPERATOR INFORMATION

F. CITY OR TOWN																																								G. STATE				H. ZIP CODE				IX. INDIAN LAND			
Richmond																																								VA				23231				Is the facility located on Indian lands?			
																																																<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

or-hire, Bulk liquid storage and transfer terminal.

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Please print or type in the unshaded areas only.

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VA0054291

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

**FORM
2C
NPDES**



**U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program**

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	37	30	54	77	24	41	Almond Creek
002	37	31	03	77	24	59	Almond Creek

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
001	Stormwater runoff from truck loading area.	approximately .005 gpm	oil separation by oil/water separator	1-H
	*See attachment I			
	**See Figure II			
002	Storm water runoff from the tank field area.	approximately .005 gpm	No treatment; discharge to drainage ditch outside of terminal which flows to Almond Creek	4-A
	*See attachment I			
	**See Figure II			

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☒ YES (complete the following table)☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
002	Hydrostatic tank test water This will only occur when we have major work performed on a tank and we need to perform a hydro test in order to comply with API 653.	?	?	?	?	?	?	?

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒ YES (complete Item III-B)☐ NO (go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?

☐ YES (complete Item III-C)☒ NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (complete the following table)☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

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CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of table
NOTE: Tables V-A, V-B, and V-C are included on separate sheet

D. Use the space below to list any of the pollutants listed in Table 2c-3 of
from any outfall. For every pollutant you list, briefly describe the reason

1. POLLUTANT	2. SOURCE
BTEX	As required by DEQ.

*same would
be gasoline, no?*

all number in the space provided.

have reason to believe is discharged or may be discharged
ort any analytical data in your possession.

ANT	2. SOURCE
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VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Air, Water and Soil	2109-D Hamilton Street Richmond, VA 23230	804-358-8295	pH, TPH, TSS, TOC and priority pollutants

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (type or print) Michael T. Spence, Terminal Manager		B. PHONE NO. (area code & no.) (804) 226-2650
C. SIGNATURE Michael T. Spence <small>Digitally signed by Michael T. Spence DN: cn=Michael T. Spence, o=IMTT-Chesapeake, ou, email=mlspence@imtt.com, c=US Date: 2008.04.17 13:49:07 -0400</small>		D. DATE SIGNED 04/17/2008

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.

001

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)	4. INTAKE (optional)				
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE	b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
a. Biochemical Oxygen Demand (BOD)	<4.0	.0757					1	mg/l	kg/day			
b. Chemical Oxygen Demand (COD)	24.9	.4713					1	mg/l	kg/day			
c. Total Organic Carbon (TOC)	4.9	.0927						mg/l	kg/day			
d. Total Suspended Solids (TSS)	6.8	.1287						mg/l	kg/day			
e. Ammonia (as N)	With the	product	stored	at our	facility, we do	not	believe	that	Ammoni	a would	be	present
f. Flow	VALUE	.005 MGD	VALUE		VALUE		EST			VALUE		
g. Temperature (winter)	VALUE	Ambient	VALUE		VALUE					VALUE		
h. Temperature (summer)	VALUE	Ambient	VALUE		VALUE					VALUE		
i. pH	MINIMUM	6.4	MAXIMUM	6.4	MINIMUM	MAXIMUM	1	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS	5. INTAKE (optional)				
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE	b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-5)		X												
f. Nitrate-Nitrite (as N)		X												

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
g. Nitrogen, Total Organic (as N)		X													
h. Oil and Grease	X		<10	.1893					1	mg/l	kg/da				
i. Phosphorus (as P), Total (7723-14-0)		X													
j. Radioactivity															
(1) Alpha, Total		X													
(2) Beta, Total		X													
(3) Radium, Total		X													
(4) Radium 226, Total		X													
k. Sulfate (as SO ₄) (14808-79-8)		X													
l. Sulfide (as S)		X													
m. Sulfite (as SO ₃) (14265-45-3)		X													
n. Surfactants		X													
o. Aluminum, Total (7429-90-5)		X													
p. Barium, Total (7440-39-3)		X													
q. Boron, Total (7440-42-8)		X													
r. Cobalt, Total (7440-48-4)		X													
s. Iron, Total (7439-89-6)		X													
t. Magnesium, Total (7439-95-4)		X													
u. Molybdenum, Total (7439-98-7)		X													
v. Manganese, Total (7439-96-5)		X													
w. Tin, Total (7440-31-5)		X													
x. Titanium, Total (7440-32-6)		X													

EPA I.D. NUMBER (copy from Item 1 of Form 1) VA0054291	OUTFALL NUMBER 001
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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
																(1) CONCENTRATION	(2) MASS
METALS, CYANIDE, AND TOTAL PHENOLS																	
1M. Antimony, Total (7440-36-0)			X														
2M. Arsenic, Total (7440-38-2)			X														
3M. Beryllium, Total (7440-41-7)			X														
4M. Cadmium, Total (7440-43-9)			X														
5M. Chromium, Total (7440-47-3)			X														
6M. Copper, Total (7440-50-8)			X														
7M. Lead, Total (7439-92-1)			X														
8M. Mercury, Total (7439-97-6)			X														
9M. Nickel, Total (7440-02-0)			X														
10M. Selenium, Total (7782-49-2)			X														
11M. Silver, Total (7440-22-4)			X														
12M. Thallium, Total (7440-28-0)			X														
13M. Zinc, Total (7440-66-6)			X														
14M. Cyanide, Total (57-12-5)			X														
15M. Phenols, Total			X														
DIOXIN																	
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS													

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)		X		<10.0	.0019					1	ug/l	kg/l			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodibromomethane (124-48-1)			X												
9V. Chloroethane (75-00-3)			X												
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichlorobromomethane (75-27-4)			X												
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X												
15V. 1,2-Dichloroethane (107-06-2)			X												
16V. 1,1-Dichloroethylene (75-35-4)			X												
17V. 1,2-Dichloropropane (78-87-5)			X												
18V. 1,3-Dichloropropylene (542-75-6)			X												
19V. Ethylbenzene (100-41-4)		X		<10.0	.0019					1	ug/l	kg/l			
20V. Methyl Bromide (74-83-9)			X												
21V. Methyl Chloride (74-87-3)			X												

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
																(1) CONCENTRATION	(2) MASS
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																	
22V. Methylene Chloride (75-09-2)			X														
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X														
24V. Tetrachloroethylene (127-18-4)			X														
25V. Toluene (108-88-3)		X		<10.0	.0019					1	ug/l	kg/l					
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X														
27V. 1,1,1-Trichloroethane (71-55-6)			X														
28V. 1,1,2-Trichloroethane (79-00-5)			X														
29V. Trichloroethylene (79-01-6)			X														
30V. Trichlorofluoromethane (75-69-4)			X														
31V. Vinyl Chloride (75-01-4)			X														
GC/MS FRACTION – ACID COMPOUNDS																	
1A. 2-Chlorophenol (95-57-8)			X														
2A. 2,4-Dichlorophenol (120-83-2)			X														
3A. 2,4-Dimethylphenol (105-67-9)			X														
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X														
5A. 2,4-Dinitrophenol (51-28-5)			X														
6A. 2-Nitrophenol (88-75-5)			X														
7A. 4-Nitrophenol (100-02-7)			X														
8A. P-Chloro-M-Cresol (59-50-7)			X														
9A. Pentachlorophenol (87-86-5)			X														
10A. Phenol (108-95-2)			X														
11A. 2,4,6-Trichlorophenol (88-05-2)			X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
																(1) CONCENTRATION	(2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS																	
1B. Acenaphthene (83-32-9)			X														
2B. Acenaphthylene (208-96-8)			X														
3B. Anthracene (120-12-7)			X														
4B. Benzidine (92-87-5)			X														
5B. Benzo (a) Anthracene (56-55-3)			X														
6B. Benzo (a) Pyrene (50-32-8)			X														
7B. 3,4-Benzo- fluoranthene (205-99-2)			X														
8B. Benzo (ghi) Perylene (191-24-2)			X														
9B. Benzo (k) Fluoranthene (207-08-9)			X														
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)			X														
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X														
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)			X														
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)			X														
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X														
15B. Butyl Benzyl Phthalate (85-68-7)			X														
16B. 2-Chloro- naphthalene (91-58-7)			X														
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)			X														
18B. Chrysene (218-01-9)			X														
19B. Dibenzo (a,h) Anthracene (53-70-3)			X														
20B. 1,2-Dichloro- benzene (95-50-1)			X														
21B. 1,3-Di-chloro- benzene (541-73-1)			X														

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichlorobenzene (106-46-7)			X													
23B. 3,3-Dichlorobenzidine (91-94-1)			X													
24B. Diethyl Phthalate (84-66-2)			X													
25B. Dimethyl Phthalate (131-11-3)			X													
26B. Di-N-Butyl Phthalate (84-74-2)			X													
27B. 2,4-Dinitrotoluene (121-14-2)			X													
28B. 2,6-Dinitrotoluene (606-20-2)			X													
29B. Di-N-Octyl Phthalate (117-84-0)			X													
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X													
31B. Fluoranthene (206-44-0)			X													
32B. Fluorene (86-73-7)			X													
33B. Hexachlorobenzene (118-74-1)			X													
34B. Hexachlorobutadiene (87-68-3)			X													
35B. Hexachlorocyclopentadiene (77-47-4)			X													
36B Hexachloroethane (67-72-1)			X													
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X													
38B. Isophorone (78-59-1)			X													
39B. Naphthalene (91-20-3)			X													
40B. Nitrobenzene (98-95-3)			X													
41B. N-Nitrosodimethylamine (62-75-9)			X													
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X													

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																	
43B. N-Nitro-sodiphenylamine (86-30-6)			X														
44B. Phenanthrene (85-01-8)			X														
45B. Pyrene (129-00-0)			X														
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X														
GC/MS FRACTION – PESTICIDES																	
1P. Aldrin (309-00-2)			X														
2P. α-BHC (319-84-6)			X														
3P. β-BHC (319-85-7)			X														
4P. γ-BHC (58-89-9)			X														
5P. δ-BHC (319-86-8)			X														
6P. Chlordane (57-74-9)			X														
7P. 4,4'-DDT (50-29-3)			X														
8P. 4,4'-DDE (72-55-9)			X														
9P. 4,4'-DDD (72-54-8)			X														
10P. Dieldrin (60-57-1)			X														
11P. α-Endosulfan (115-29-7)			X														
12P. β-Endosulfan (115-29-7)			X														
13P. Endosulfan Sulfate (1031-07-8)			X														
14P. Endrin (72-20-8)			X														
15P. Endrin Aldehyde (7421-93-4)			X														
16P. Heptachlor (76-44-8)			X														

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VA0054291	001

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS			5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)			
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS			
GC/MS FRACTION – PESTICIDES (continued)																	
17P. Heptachlor Epoxide (1024-57-3)			X														
18P. PCB-1242 (53469-21-9)			X														
19P. PCB-1254 (11097-69-1)			X														
20P. PCB-1221 (11104-28-2)			X														
21P. PCB-1232 (11141-16-5)			X														
22P. PCB-1248 (12672-29-6)			X														
23P. PCB-1260 (11096-82-5)			X														
24P. PCB-1016 (12674-11-2)			X														
25P. Toxaphene (8001-35-2)			X														
EPA Form 3510-2C (8-90)																	

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
VA0054291

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.
002

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<4.0	.0757					1	mg/l	kg/day			
b. Chemical Oxygen Demand (COD)	13.8	.2612					1	mg/l	kg/day			
c. Total Organic Carbon (TOC)	4.4	.0833						mg/l	kg/day			
d. Total Suspended Solids (TSS)	30.7	.5811						mg/l	kg/day			
e. Ammonia (as N)	With the	product	stored	at our	facility, we do	not	believe	that	Ammoni	a would	be	present
f. Flow	VALUE	.005 MGD	VALUE		VALUE		EST			VALUE		
g. Temperature (winter)	VALUE	Ambient	VALUE		VALUE			°C		VALUE		
h. Temperature (summer)	VALUE	Ambient	VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM	6.7	MAXIMUM	6.7			1	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-5)		X												
f. Nitrate-Nitrite (as N)		X												

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease	X		<10.0	<.1893					1	mg/l	kg/da			
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO ₃) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VA0054291	002

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
																(1) CONCENTRATION
METALS, CYANIDE, AND TOTAL PHENOLS																
1M. Antimony, Total (7440-36-0)			X													
2M. Arsenic, Total (7440-38-2)			X													
3M. Beryllium, Total (7440-41-7)			X													
4M. Cadmium, Total (7440-43-9)			X													
5M. Chromium, Total (7440-47-3)			X													
6M. Copper, Total (7440-50-8)			X													
7M. Lead, Total (7439-92-1)			X													
8M. Mercury, Total (7439-97-6)			X													
9M. Nickel, Total (7440-02-0)			X													
10M. Selenium, Total (7782-49-2)			X													
11M. Silver, Total (7440-22-4)			X													
12M. Thallium, Total (7440-28-0)			X													
13M. Zinc, Total (7440-66-6)			X													
14M. Cyanide, Total (57-12-5)			X													
15M. Phenols, Total			X													
DIOXIN																
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS												

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)	
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)		X		< .10	.0019					1	mg/l	kg/day			
4V. Bis (Chloro- methyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodi- bromomethane (124-48-1)			X												
9V. Chloroethane (75-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-27-4)			X												
13V. Dichloro- difluoromethane (75-71-8)			X												
14V. 1,1-Dichloro- ethane (75-34-3)			X												
15V. 1,2-Dichloro- ethane (107-06-2)			X												
16V. 1,1-Dichloro- ethylene (75-35-4)			X												
17V. 1,2-Dichloro- propane (78-87-5)			X												
18V. 1,3-Dichloro- propylene (542-75-6)			X												
19V. Ethylbenzene (100-41-4)		X		< .10	.0019					1	mg/l	kg/day			
20V. Methyl Bromide (74-83-9)			X												
21V. Methyl Chloride (74-87-3)			X												

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS			5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES			
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS				
																(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																		
22V. Methylene Chloride (75-09-2)			X															
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X															
24V. Tetrachloroethylene (127-18-4)			X															
25V. Toluene (108-88-3)		X		< .10	.0019					1	mg/l	kg/day						
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X															
27V. 1,1,1-Trichloroethane (71-55-6)			X															
28V. 1,1,2-Trichloroethane (79-00-5)			X															
29V. Trichloroethylene (79-01-6)			X															
30V. Trichlorofluoromethane (75-69-4)			X															
31V. Vinyl Chloride (75-01-4)			X															
GC/MS FRACTION – ACID COMPOUNDS																		
1A. 2-Chlorophenol (95-57-8)			X															
2A. 2,4-Dichlorophenol (120-83-2)			X															
3A. 2,4-Dimethylphenol (105-67-9)			X															
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X															
5A. 2,4-Dinitrophenol (51-28-5)			X															
6A. 2-Nitrophenol (88-75-5)			X															
7A. 4-Nitrophenol (100-02-7)			X															
8A. P-Chloro-M-Cresol (59-50-7)			X															
9A. Pentachlorophenol (87-86-5)			X															
10A. Phenol (108-95-2)			X															
11A. 2,4,6-Trichlorophenol (88-05-2)			X															

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS																	
1B. Acenaphthene (83-32-9)			X														
2B. Acenaphthylene (208-96-8)			X														
3B. Anthracene (120-12-7)			X														
4B. Benzidine (92-87-5)			X														
5B. Benzo (a) Anthracene (56-55-3)			X														
6B. Benzo (a) Pyrene (50-32-8)			X														
7B. 3,4-Benzo- fluoranthene (205-99-2)			X														
8B. Benzo (ghi) Perylene (191-24-2)			X														
9B. Benzo (k) Fluoranthene (207-08-9)			X														
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)			X														
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X														
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)			X														
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)			X														
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X														
15B. Butyl Benzyl Phthalate (85-68-7)			X														
16B. 2-Chloro- naphthalene (91-58-7)			X														
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)			X														
18B. Chrysene (218-01-9)			X														
19B. Dibenzo (a,h) Anthracene (53-70-3)			X														
20B. 1,2-Dichloro- benzene (95-50-1)			X														
21B. 1,3-Di-chloro- benzene (541-73-1)			X														

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)	
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichloro- benzene (106-46-7)			X												
23B. 3,3-Dichloro- benzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X												
25B. Dimethyl Phthalate (131-11-3)			X												
26B. Di-N-Butyl Phthalate (84-74-2)			X												
27B. 2,4-Dinitro- toluene (121-14-2)			X												
28B. 2,6-Dinitro- toluene (606-20-2)			X												
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenyl- hydrazine (as Azobenzene) (122-66-7)			X												
31B. Fluoranthene (206-44-0)			X												
32B. Fluorene (86-73-7)			X												
33B. Hexachloro- benzene (118-74-1)			X												
34B. Hexachloro- butadiene (87-68-3)			X												
35B. Hexachloro- cyclopentadiene (77-47-4)			X												
36B Hexachloro- ethane (67-72-1)			X												
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene (91-20-3)			X												
40B. Nitrobenzene (98-95-3)			X												
41B. N-Nitro- sodimethylamine (62-75-9)			X												
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X												

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
																(1) CONCENTRATION	(2) MASS
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																	
43B. N-Nitro- sodiphenylamine (86-30-6)			X														
44B. Phenanthrene (85-01-8)			X														
45B. Pyrene (129-00-0)			X														
46B. 1,2,4-Tri- chlorobenzene (120-82-1)			X														
GC/MS FRACTION – PESTICIDES																	
1P. Aldrin (309-00-2)			X														
2P. α-BHC (319-84-6)			X														
3P. β-BHC (319-85-7)			X														
4P. γ-BHC (58-89-9)			X														
5P. δ-BHC (319-86-8)			X														
6P. Chlordane (57-74-9)			X														
7P. 4,4'-DDT (50-29-3)			X														
8P. 4,4'-DDE (72-55-9)			X														
9P. 4,4'-DDD (72-54-8)			X														
10P. Dieldrin (60-57-1)			X														
11P. α-Endosulfan (115-29-7)			X														
12P. β-Endosulfan (115-29-7)			X														
13P. Endosulfan Sulfate (1031-07-8)			X														
14P. Endrin (72-20-8)			X														
15P. Endrin Aldehyde (7421-93-4)			X														
16P. Heptachlor (76-44-8)			X														

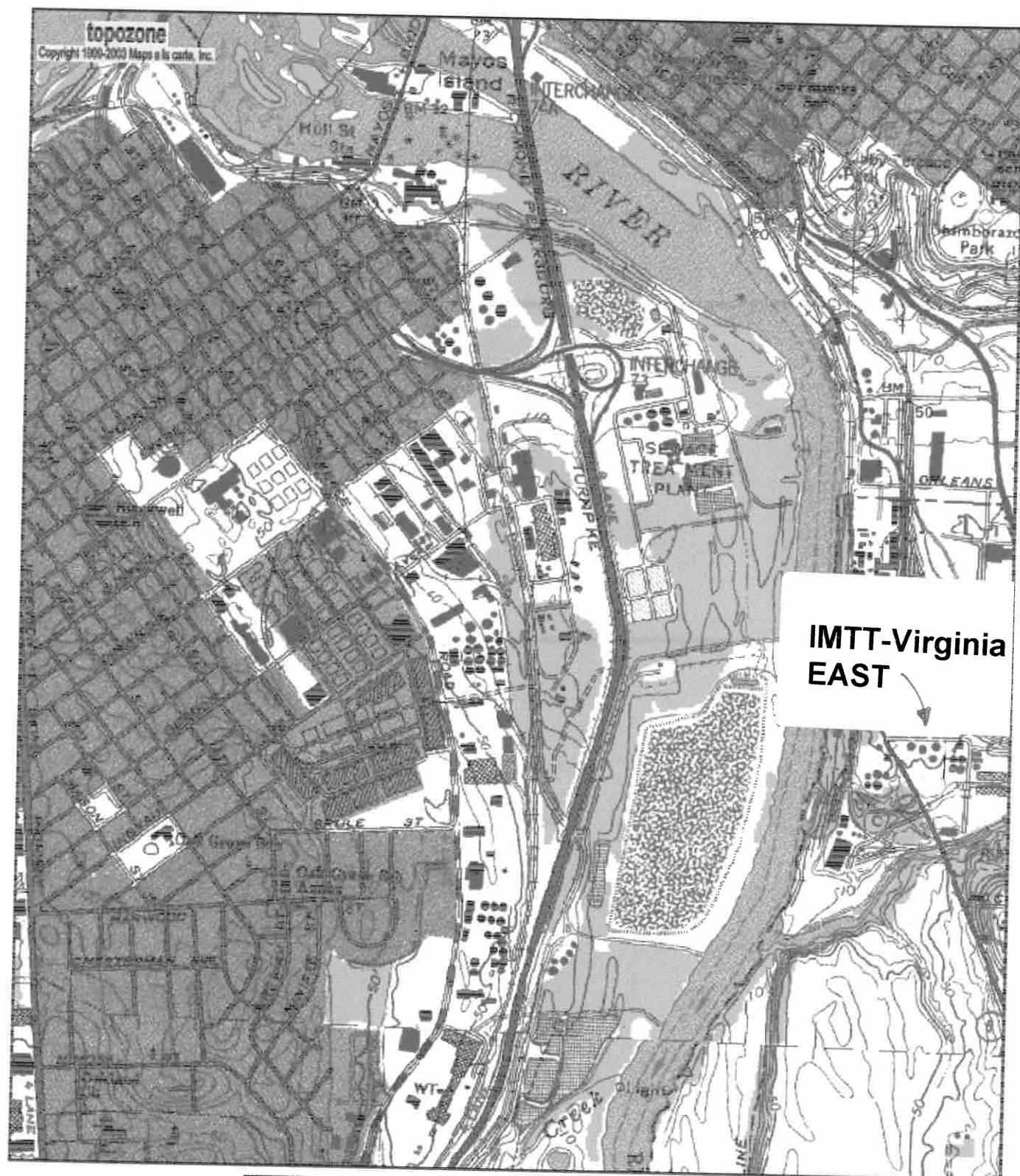
EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VA0054291	002

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS			5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
GC/MS FRACTION – PESTICIDES (continued)																	
17P. Heptachlor Epoxide (1024-57-3)			X														
18P. PCB-1242 (53469-21-9)			X														
19P. PCB-1254 (11097-69-1)			X														
20P. PCB-1221 (11104-28-2)			X														
21P. PCB-1232 (11141-16-5)			X														
22P. PCB-1248 (12672-29-6)			X														
23P. PCB-1260 (11096-82-5)			X														
24P. PCB-1016 (12674-11-2)			X														
25P. Toxaphene (8001-35-2)			X														

EPA Form 3510-2C (8-90)

PAGE 1



0 0.3 0.6 0.9 1.2 1.5 km

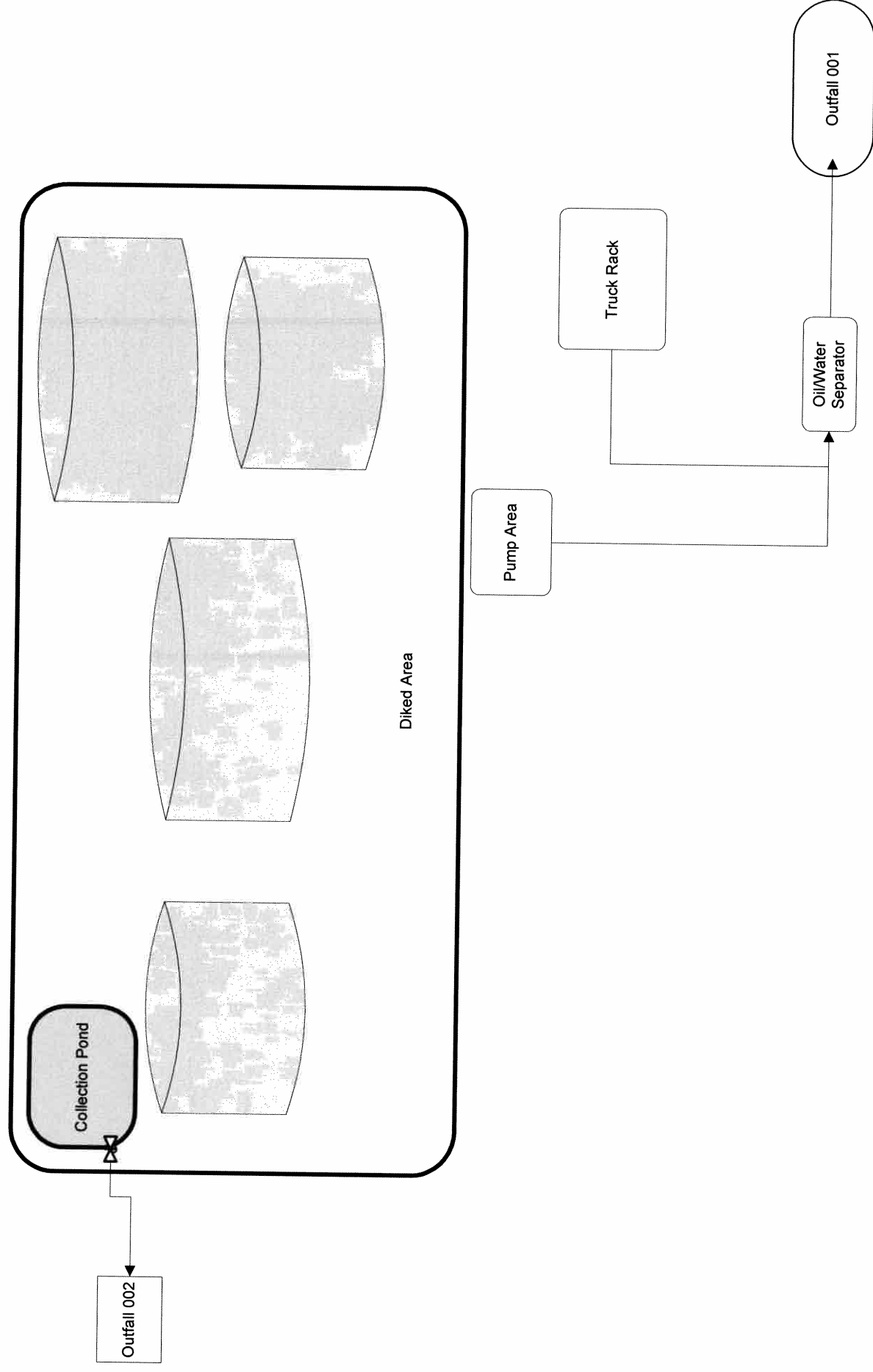
0 0.2 0.4 0.6 0.8 1 mi

UTM 18 285344E 4154634N (NAD83/WGS84)

USGS Richmond (VA) Quadrangle

Projection is UTM Zone 18 NAD83 Datum

M*
G
M=-10.072
G=-1.48



**Line Drawing of Facility Showing Water Flow Through the
IMTT-Virginia East Facility**



2109A North Hamilton Street • Richmond, Virginia 23230 • Tel: (804) 358-8295 Fax: (804) 358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 08020204

Client Name: IMTT
5501 Old Osborne Turnpike
Richmond, VA 23231

Date Received: February 14, 2008
Date Issued: February 22, 2008

Submitted To: Mike Spence

Project Number: NA

Client Site I.D.: Richmond East

Purchase Order: NA

Sample I.D.: Outfall 001 E

Laboratory Sample I.D.: 08020204-001

Date/Time Sampled: 02/14/08 10:55

Parameter	Method	Sample Results	Rep Limit	Analysis Date/Time	Analyst
pH	SM4500-H B	6.4 SU	--	02/14/08 11:13	ETS
The pH measurement was performed outside of the 15 minute holding time.					
Benzene	EPA624	< 10 ug/L	10.0	02/18/08 19:19	DMB
Toluene	EPA624	< 10 ug/L	10.0	02/18/08 19:19	DMB
Ethylbenzene	EPA624	< 10 ug/L	10.0	02/18/08 19:19	DMB
o-Xylene	EPA624	< 10 ug/L	10.0	02/18/08 19:19	DMB
m,p-Xylenes	EPA624	< 20 ug/L	20.0	02/18/08 19:19	DMB
Xylenes, Total	EPA624	< 30 ug/L	30.0	02/18/08 19:19	DMB
TPH-Volatiles (GRO)	SW8015B	< 0.5 mg/L	0.5	02/15/08 18:40	MKD
TPH-Semi-Volatiles (DRO)	SW8015B	1.4 mg/L	0.5	02/15/08 21:21	JHV
Chlorine, Residual	SM4500-Cl G	< 0.1 mg/L	0.1	02/14/08 11:20	ETS
COD	EPA410.4	24.9 mg/L	10.0	02/21/08 10:00	VLG
Oil and Grease	EPA1664A	< 10 mg/L	10.0	02/19/08 10:23	RPF
TSS	SM2540D	6.8 mg/L	1.0	02/19/08 14:59	LG
Total Organic Carbon (TOC)	SM5310C	4.9 mg/L	1.0	02/18/08 14:57	JCW



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Certificate of Analysis

Final Report

Laboratory Order ID 08020204

Client Name: IMTT
5501 Old Osborne Turnpike
Richmond, VA 23231

Date Received: February 14, 2008
Date Issued: February 22, 2008

Submitted To: Mike Spence

Project Number: NA

Client Site I.D.: Richmond East

Purchase Order: NA

Sample I.D.: Outfall 002 E

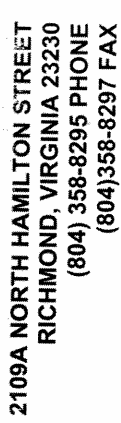
Laboratory Sample I.D.: 08020204-002

Date/Time Sampled: 02/14/08 11:10

Parameter	Method	Sample Results	Rep Limit	Analysis Date/Time	Analyst
pH	SM4500-H B	6.7 SU	--	02/14/08 11:15	ETS
The pH measurement was performed outside of the 15 minute holding time.					
Benzene	EPA624	< 10 ug/L	10.0	02/18/08 19:44	DMB
Toluene	EPA624	< 10 ug/L	10.0	02/18/08 19:44	DMB
Ethylbenzene	EPA624	< 10 ug/L	10.0	02/18/08 19:44	DMB
o-Xylene	EPA624	< 10 ug/L	10.0	02/18/08 19:44	DMB
m,p-Xylenes	EPA624	< 20 ug/L	20.0	02/18/08 19:44	DMB
Xylenes, Total	EPA624	< 30 ug/L	30.0	02/18/08 19:44	DMB
TPH-Volatiles (GRO)	SW8015B	< 0.5 mg/L	0.5	02/15/08 19:08	MKD
TPH-Semi-Volatiles (DRO)	SW8015B	< 0.5 mg/L	0.5	02/15/08 21:46	JHV
Chlorine, Residual	SM4500-Cl G	< 0.1 mg/L	0.1	02/14/08 11:22	ETS
COD	EPA410.4	13.8 mg/L	10.0	02/21/08 10:00	VLG
Oil and Grease	EPA1664A	< 10 mg/L	10.0	02/19/08 10:23	RPF
TSS	SM2540D	30.7 mg/L	1.0	02/19/08 14:59	LG
Total Organic Carbon (TOC)	SM5310C	4.4 mg/L	1.0	02/18/08 14:57	JCW

Ted Soyars

Laboratory Manager



LABORATORIES, INC.

AWS COC_v071214.xls



2109A North Hamilton Street • Richmond, Virginia 23230 • Tel: (804) 358-8295 Fax: (804) 358-8297

Sample Conditions Checklist

IMTT

Richmond East



08020204

DUE: 5 Days

Recd: 02/14/08

Opened by: (print)

A. McGinley

Lab ID No.:

(sign)

A. McGinley

Date Cooler Opened:

7-14-08

1. How were samples received?

Fed Ex
UPS
Courier
Walk In

☐
☐
☒
☐

YES NO N/A

2. Were custody seals used?

☐ ☐ ☒

3. If yes, are custody seals unbroken and intact at the date and time of arrival?

☐ ☐ ☒

4. Are the custody papers filled out completely and correctly?

☒ ☐ ☐

5. Do all bottle labels agree with custody papers?

☒ ☐ ☐

6. Are the samples received on ice?

☒ ☐ ☐

7. Is the temperature blank or representative sample within acceptable limits?
(4 degrees Celsius +/-2)

☒ ☐ ☐

8. Are all samples within holding time for requested tests?

☒ ☐ ☐

9. Is a sufficient amount of sample provided to perform the tests indicated?

☒ ☐ ☐

10. Are all samples in proper containers for the analyses requested?

☒ ☐ ☐

11. Are all samples appropriately preserved for the analyses requested?

☒ ☐ ☐

12. Are all volatile organic containers free of headspace?

☒ ☐ ☐

COMMENTS

